

**JUSTIFICATION FOR SOLE SOURCE or BRAND NAME SPECIFIED**  
**(Simplified Acquisitions <\$150K)**

The service or material listed on *N0016115RC16651* is brand name and competition is precluded for reasons indicated below. There are no substitutes available for this material or service.

**Restricted to the following source**

**Manufacturer:** Lego

**Manufacturer POC & phone #:** <http://Support.Legoeducation.us> / 800-349-LEGO (5346)

**Mfr. Address:** Lego Education / P.O. Box 1707 / Pittsburg, KS 66762-1708

**Dealer / Rep / Recommended source:** LEGO Education

**Dealer / Rep / Recommended source address / phone #:** Lego Education / P.O. Box 1707 / Pittsburg, KS 66762-1708 / Steve Shumaker, (866) 429-5346

X Description of the item or service required, the estimated cost, and required delivery date.

This purchase is for LEGO Mindstorm parts and accessories which includes EV3 Intelligent Bricks, Rechargeable Batteries, Sensors, and building parts.

X Specific characteristics of the material or service that limit the availability to a sole source / brand name (unique features, function of the item, etc.). Describe in detail why only this suggested source / brand name can furnish the requirements to the exclusion of other sources / brands.

**The system must:**

- 1) Be mechanically compatible with existing LEGO MINDSTORM hardware and software systems.
- 2) Be self-powered (with rechargeable power supply) for safe, standalone installations.
- 3) Be easily reconfigurable for a wide variety of applications to include infrared, directional, and color sensors.
- 4) Allow students to break down and build up systems rapidly, requiring a variety of attachment possibilities and a wide range of mechanical pieces.
- 5) Provide cross-curricular opportunities in science, technology, engineering, and math.

The LEGO MINDSTORM system and associated sensors meets all of these needs.

There is no competitor for functional parts which work with the existing LEGO MINDSTORM kits currently used in the curriculum. The HiTechnic sensors are sold by LEGO as additional sensors to the kits.

X The material/service must be compatible in all aspects (form, fit and function) with existing systems presently installed/performing. Describe the equipment/function you have now and how the new item/service must coordinate, connect, or interface with the existing system.

We are currently using the LEGO MINDSTORM kits in our Mobile Robot Lab. This new equipment must be completely compatible with existing equipment